

Sheet 1 of 9

FORM PTO-147

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)

PL083USQ

Application Number

10/611,682

Applicant

Falla et al.

Filing Date

July 1, 2003

Group Art Unit

3765

## U. S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE     | NAME            | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|---------------------|--------------------|----------|-----------------|-------|----------|-------------------------------|
| <i>WJ</i>           | 2003/0013379       | 1/16/03  | Henz            |       |          |                               |
|                     | 2002/0155786       | 10/24/02 | Querquant       |       |          |                               |
|                     | 2002/0155785       | 10/24/02 | del Olmo        |       |          |                               |
|                     | 2002/0111119       | 8/15/02  | Johnson et al.  |       |          |                               |
|                     | 2002/0031978       | 3/14/02  | Heroff          |       |          |                               |
|                     | 2002/0023709       | 2/28/02  | Tedeschi et al. |       |          |                               |
|                     | 2002/0000684       | 1/3/02   | Nakanishi       |       |          |                               |
|                     | 2002/0002023       | 1/3/02   | Nakanishi       |       |          |                               |
|                     | 2001/0000164       | 4/5/01   | Heroff          |       |          |                               |
|                     | 6,425,800          | 7/30/02  | Huang           |       |          |                               |
| <i>WJ</i>           | 6,431,947          | 8/13/02  | Henz            |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|           | DOCUMENT<br>NUMBER | DATE    | COUNTRY          | CLASS | SUBCLASS | Translation |    |
|-----------|--------------------|---------|------------------|-------|----------|-------------|----|
|           |                    |         |                  |       |          | YES         | NO |
| <i>WJ</i> | CN1232652          | 4/22/98 | China (Abstract) |       |          | X           |    |
|           | 2 265 077          | 9/22/93 | United Kingdom   |       |          | X           |    |
|           | 1 237 196          | 6/30/71 | United Kingdom   |       |          | X           |    |
|           | 1 348 132          | 3/13/74 | United Kingdom   |       |          | X           |    |
| <i>WJ</i> | 1 470 928          | 4/21/77 | United Kingdom   |       |          | X           |    |

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

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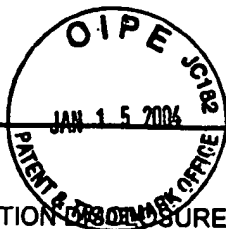
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DATE CONSIDERED

12.23.02

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Sheet 2 of 9

FORM PTO-1449

INFORMATION DISCLOSURE CITATION  
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|---------------------|--------------------|----------|-----------------|-------|----------|-------------------------------|
| <i>DN</i>           | 6,431,945          | 8/13/02  | Stephens et al. |       |          |                               |
|                     | 6,401,786          | 6/11/02  | Tedeschi et al. |       |          |                               |
|                     | 6,398,620          | 6/4/02   | Huang           |       |          |                               |
|                     | 6,364,741          | 4/2/02   | Ferguson        |       |          |                               |
|                     | 6,336,840          | 1/8/02   | Heroff          |       |          |                               |
|                     | 6,306,006          | 10/23/01 | Cheng           |       |          |                               |
|                     | 6,287,168          | 9/11/01  | Rabinowicz      |       |          |                               |
|                     | 6,192,521          | 2/27/01  | Alberts et al.  |       |          |                               |
|                     | 6,179,687          | 1/30/01  | Lee et al.      |       |          |                               |
|                     | 6,162,111          | 12/19/00 | Heroff          |       |          |                               |
| <i>DN</i>           | 6,134,718          | 10/24/00 | Sesselmann      |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|           | DOCUMENT<br>NUMBER | DATE     | COUNTRY          | CLASS | SUBCLASS         | Translation |    |
|-----------|--------------------|----------|------------------|-------|------------------|-------------|----|
|           |                    |          |                  |       |                  | YES         | NO |
| <i>DN</i> | 2001073203         | 3/21/01  | Japan (Abstract) |       | <i>Abstracts</i> | X           |    |
|           | JP9031856          | 2/4/97   | Japan (Abstract) |       |                  | X           |    |
|           | JP2000314011       | 11/14/00 | Japan (Abstract) |       |                  | X           |    |
|           | JP2002201505       | 7/19/02  | Japan (Abstract) |       |                  | X           |    |
| <i>DN</i> | JP2000226703       | 8/15/00  | Japan (Abstract) |       |                  | X           |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

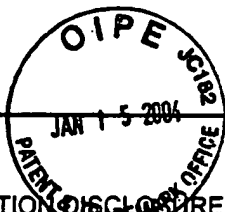
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*12.23.04*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through  
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Sheet 3 of 9

FORM PTO-1449

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|---------------------|--------------------|----------|-----------------|-------|----------|-------------------------------|
| ON                  | 6,115,847          | 9/12/00  | Rosch et al.    |       |          |                               |
|                     | 6,083,080          | 7/4/00   | Lawson et al.   |       |          |                               |
|                     | 6,076,186          | 6/20/00  | Grose           |       |          |                               |
|                     | 6,079,050          | 6/27/00  | Hooper-Jackson  |       |          |                               |
|                     | 6,048,253          | 4/11/00  | Larsen          |       |          |                               |
|                     | 6,023,789          | 2/15/00  | Wilson et al.   |       |          |                               |
|                     | 6,018,819          | 2/1/00   | King et al.     |       |          |                               |
|                     | 6,000,994          | 12/14/99 | Salotto         |       |          |                               |
|                     | 5,984,762          | 11/16/99 | Tedeschi et al. |       |          |                               |
|                     | 5,916,829          | 6/29/99  | Girard et al.   |       |          |                               |
| ON                  | 5,165,113          | 11/24/92 | Hyams et al.    |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|    | DOCUMENT<br>NUMBER | DATE    | COUNTRY           | CLASS | SUBCLASS | Translation |    |
|----|--------------------|---------|-------------------|-------|----------|-------------|----|
|    |                    |         |                   |       |          | YES         | NO |
| ON | JP2002155403       | 4/31/02 | Japan ( Abstract) |       |          | X           |    |
|    | 199 42 996         | 3/15/01 | Germany           |       |          |             | X  |
|    | 200 11 261         | 2/15/01 | Germany           |       |          |             | X  |
|    | EP 1 033 084       | 9/6/00  | Europe (Abstract) |       |          | X           |    |
| ON | EP 1 123 666       | 8/16/01 | Europe            |       |          |             | X  |

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

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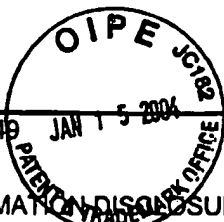
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DATE CONSIDERED

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|  |                          |                    |
|--|--------------------------|--------------------|
| FORM PTO-1449<br>INFORMATION DISCLOSURE CITATION<br>IN AN APPLICATION<br>(Use several sheets if necessary) | Docket Number (Optional) | Application Number |
|  | PL083USQ                 | 10/611,682         |
|  | Applicant                |                    |
|  | Falla et al.             |                    |
|  | Filing Date              | Group Art Unit     |
|  | July 1, 2003             | 3765               |

## U. S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE     | NAME                    | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|---------------------|--------------------|----------|-------------------------|-------|----------|-------------------------------|
| DN                  | 5,983,394          | 11/16/99 | Joo                     |       |          |                               |
|                     | 5,953,754          | 9/21/99  | Rosch et al.            |       |          |                               |
|                     | 5,946,944          | 11/7/99  | Osborne                 |       |          |                               |
|                     | 5,938,500          | 8/17/99  | Hampton                 |       |          |                               |
|                     | 5,907,872          | 6/1/99   | Alberts et al.          |       |          |                               |
|                     | 5,873,768          | 2/23/99  | Fleischman-Ament et al. |       |          |                               |
|                     | 5,820,445          | 10/13/98 | Smith et al.            |       |          |                               |
|                     | 5,820,443          | 10/13/98 | Burr                    |       |          |                               |
|                     | 5,790,983          | 8/11/98  | Rosch et al.            |       |          |                               |
|                     | 5,614,303          | 3/25/97  | Baigas, Jr.             |       |          |                               |
| DN                  | 5,539,931          | 7/30/96  | Fizer et al.            |       |          |                               |

## FOREIGN PATENT DOCUMENTS

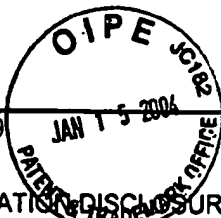
|    | DOCUMENT<br>NUMBER | DATE     | COUNTRY           | CLASS | SUBCLASS | Translation |    |
|----|--------------------|----------|-------------------|-------|----------|-------------|----|
|    |                    |          |                   |       |          | YES         | NO |
| DN | 2 823 075          | 10/11/02 | France            |       |          |             | X  |
|    | 2 820 001          | 8/2/01   | France            |       |          |             | X  |
|    | 2 782 611          | 3/3/00   | France            |       |          |             | X  |
|    | 2 487 734          | 2/5/82   | France            |       |          |             | X  |
| DN | 2 792 173          | 10/20/00 | France (Abstract) |       |          | X           |    |

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

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| EXAMINER<br><i>[Signature]</i> | DATE CONSIDERED<br>12.23.04 |
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Sheet 5 of 9

FORM PTO-1449

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Docket Number (Optional)

PL083USQ

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Applicant

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## U. S. PATENT DOCUMENTS

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|---------------------|--------------------|---------|---------------|-------|----------|-------------------------------|
| <i>dy</i>           | 5,507,681          | 4/16/96 | Smith et al.  |       |          |                               |
|                     | 5,487,189          | 1/30/96 | Bell          |       |          |                               |
|                     | 5,442,818          | 8/22/95 | Loos          |       |          |                               |
|                     | 5,447,462          | 9/5/95  | Smith et al.  |       |          |                               |
|                     | 5,426,791          | 6/27/95 | Sydor et al.  |       |          |                               |
|                     | 5,406,646          | 4/18/95 | Balit et al.  |       |          |                               |
|                     | 5,385,502          | 1/31/95 | Moretz et al. |       |          |                               |
|                     | 5,240,538          | 8/31/93 | Hyams         |       |          |                               |
|                     | 5,092,812          | 3/3/92  | Babcock       |       |          |                               |
|                     | 4,957,466          | 9/18/90 | Hopps         |       |          |                               |
| <i>dy</i>           | 4,795,400          | 1/3/89  | Greenberg     |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|           | DOCUMENT<br>NUMBER | DATE    | COUNTRY        | CLASS | SUBCLASS | Translation |    |
|-----------|--------------------|---------|----------------|-------|----------|-------------|----|
|           |                    |         |                |       |          | YES         | NO |
| <i>dy</i> | 2 785 154          | 5/5/00  | France         |       |          | X           |    |
|           | WO 02/07548        | 1/31/02 | PCT            |       |          |             | X  |
|           | WO 01/085516       | 2/8/01  | PCT            |       |          | X           |    |
|           | WO 01/210019       | 3/29/01 | PCT (Abstract) |       |          | X           |    |
| <i>dy</i> | WO 98/435503       | 10/8/98 | PCT            |       |          | X           |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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|---------------------|--------------------|----------|-----------------|-------|----------|-------------------------------|
| ENY                 | 4,895,751          | 1/23/90  | Kato et al.     |       |          |                               |
|                     | 4,776,916          | 10/11/88 | Prunesti et al. |       |          |                               |
|                     | 4,604,152          | 8/5/86   | Liukko          |       |          |                               |
|                     | 4,701,964          | 10/27/87 | Bell et al.     |       |          |                               |
|                     | 4,557,267          | 12/10/85 | Cole            |       |          |                               |
|                     | 4,572,195          | 2/25/86  | Hyams           |       |          |                               |
|                     | 4,261,366          | 4/14/81  | Lamborn         |       |          |                               |
|                     | 4,248,923          | 2/3/81   | Ciobanu et al.  |       |          |                               |
|                     | 4,214,319          | 7/29/80  | Bollag          |       |          |                               |
|                     | 4,184,494          | 1/22/80  | King, Jr.       |       |          |                               |
| ENY                 | 4,172,002          | 10/23/79 | Gluckin         |       |          |                               |

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|-----|--------------------|---------|---------|-------|----------|-------------|----|
|     |                    |         |         |       |          | YES         | NO |
| ENY | N. 01282812        | 6/26/95 | Italy   |       |          |             | X  |
|     |                    |         |         |       |          |             |    |
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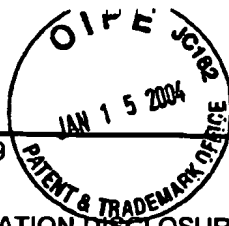
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|---------------------|--------------------|----------|-----------------|-------|----------|-------------------------------|
| <i>En</i>           | 4,148,322          | 4/10/79  | Jacaruso et al. |       |          |                               |
|                     | 4,135,025          | 1/16/79  | Backes          |       |          |                               |
|                     | 4,090,900          | 5/23/78  | Jacaruso et al. |       |          |                               |
|                     | 3,998,231          | 12/21/76 | Delet           |       |          |                               |
|                     | 3,947,207          | 3/30/76  | Magidson et al. |       |          |                               |
|                     | 3,939,023          | 2/17/76  | Magidson et al. |       |          |                               |
|                     | 3,881,041          | 4/29/75  | Glienke         |       |          |                               |
|                     | 3,799,174          | 3/26/74  | Howard          |       |          |                               |
|                     | 3,725,954          | 4/10/73  | Baldini         |       |          |                               |
|                     | 3,502,083          | 3/24/70  | Howard et al.   |       |          |                               |
| <i>En</i>           | 3,497,415          | 2/24/70  | Adachi          |       |          |                               |

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|--|--------------------|------|---------|-------|----------|-------------|----|
|  |                    |      |         |       |          | YES         | NO |
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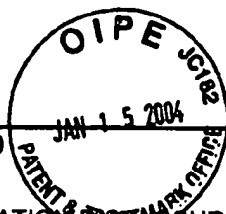
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|---------------------|--------------------|----------|-----------------|-------|----------|-------------------------------|
| <i>OK</i>           | 3,383,263          | 5/14/68  | Storti          |       |          |                               |
|                     | 3,327,707          | 6/27/67  | Storti          |       |          |                               |
|                     | 3,320,346          | 5/16/67  | Galitzki et al. |       |          |                               |
|                     | 3,225,768          | 12/28/65 | Galitzki et al. |       |          |                               |
|                     | 3,266,495          | 8/16/66  | Sachs           |       |          |                               |
|                     | 3,101,717          | 8/27/63  | Korman          |       |          |                               |
|                     | 2,954,031          | 9/27/60  | Froehlich       |       |          |                               |
|                     | 2,915,067          | 12/1/59  | Bracht          |       |          |                               |
|                     | 2,126,833          | 8/16/38  | Steinberger     |       |          |                               |
| <i>OK</i>           | 2,692,389          | 10/26/54 | Lamkin et al.   |       |          |                               |

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|--|--------------------|------|---------|-------|----------|-------------|----|
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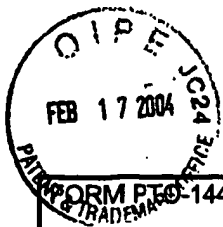
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|---------------------|-----------------|----------|-------------------|-------|----------|-------------------------------|
| <i>SP</i>           | 6,645,040       | 11/11/03 | Rabinowicz et al. | 450   | 1        |                               |
|                     | 4,481,951       | 11-1984  | Cole et al.       | 156   | 245      |                               |
|                     | 4,375,445       | 3-1983   | Cole et al.       | 264   | 258      |                               |
|                     | 4,372,321       | 2-1983   | Robinson          | 450   | 39       |                               |
|                     | 4,244,249       | 1-1981   | Di Tullio         | 83    | 52       |                               |
|                     | 4,202,853       | 5-1980   | Di Tullio         | 264   | 160      |                               |
|                     | 4,080,416       | 3-1978   | Howard            | 264   | 258      |                               |
| <i>SP</i>           | 3,070,870       | 1-1963   | Alexander et al.  | 450   | 39       |                               |
|                     |                 |          |                   |       |          |                               |
|                     |                 |          |                   |       |          |                               |
|                     |                 |          |                   |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation |    |
|--|--------------------|------|---------|-------|----------|-------------|----|
|  |                    |      |         |       |          | YES         | NO |
|  |                    |      |         |       |          |             |    |
|  |                    |      |         |       |          |             |    |
|  |                    |      |         |       |          |             |    |
|  |                    |      |         |       |          |             |    |
|  |                    |      |         |       |          |             |    |

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

*Spall*

DATE CONSIDERED

12.23.04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.